



Material Content Data Sheet



Halogen-Free

Sales Product Name	TLD1211SJ	Issued	09. February 2022
MA#	MA005544858		
Package	PG-DSO-8-64	Weight*	81.67 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	inorganic material	silicon	7440-21-3	1.284	1.57	1.57	15719	15719
leadframe	inorganic material	phosphorus	7723-14-0	0.009	0.01		106	
	non noble metal	zinc	7440-66-6	0.035	0.04		426	
	non noble metal	iron	7439-89-6	0.696	0.85		8518	
	non noble metal	copper	7440-50-8	28.249	34.59	35.49	345875	354925
wires	noble metal	palladium	7440-05-3	0.001			7	
	non noble metal	copper	7440-50-8	0.056	0.07	0.07	681	688
encapsulation	organic material	carbon black	1333-86-4	0.145	0.18		1776	
	plastics	epoxy resin	-	5.656	6.93		69257	
	inorganic material	silicondioxide	60676-86-0	42.544	52.08	59.19	520904	591937
leadfinish	noble metal	palladium	7440-05-3	0.014	0.02		166	
	noble metal	gold	7440-57-5	0.022	0.03		267	
	non noble metal	nickel	7440-02-0	0.477	0.58	0.63	5846	6279
plating	noble metal	palladium	7440-05-3	0.038	0.05		464	
	noble metal	gold	7440-57-5	0.061	0.07		745	
	non noble metal	nickel	7440-02-0	1.333	1.63	1.75	16316	17525
glue	inorganic material	copperoxide	1317-38-0	0.026	0.03		323	
	miscellaneous	miscellaneous	-	0.032	0.04		388	
	plastics	epoxy resin	-	0.185	0.23		2262	
	noble metal	silver	7440-22-4	0.813	1.00	1.30	9954	12927
*deviation	< 10%	Sum in total:				100.00		1000000

Important Remarks:

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This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption.

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